



FORM PTO-1449 (Rev. 4/92)

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Takashi HASEGAWA

December 8, 1999

APPLICANT

FILING DATE

SERIAL NO.

GROUP

## II S PATENT DOCUMENTS

U.S. PATENT DOCUMENTS															
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## FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

"DIGITAL BROADCASTING RECEIVER" Journal of The Institute of Image Information and Television Engineers, Vol. 51, No. 9, pp 1364-1369

EXAMINER CHR15 WPHE

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